

USP10 recombinant protein

USP10, Active

CATALOG # AAA74099	HOST Sf9 insect cells	APPLICATIONS Western Blot
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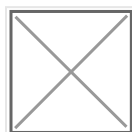
PRODUCT SYNONYMS

USP10; Active; UBPO; USP10 recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, 25% glycerol.
Applicable Applications for USP10 recombinant protein	WB (Western Blot), Activity Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for USP10 recombinant protein	Recombinant human USP10 (154-798) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The USP10 gene accession number is NM_005153. Ubiquitin specific protease 10 (USP10) is a member of the ubiquitin specific protease family of cysteine proteases. It is ubiquitously expressed in many cell lines and knock out of USP10 in mice results in bone marrow failure and death within one year. (1) USP 10 acts as an antistress under conditions such as oxidative stress, heat shock and viral infection. (2) It has been associated with cancer and known to stabilize the tumor suppressor p53 and SIRT6. (3) USP10 also inhibits ubiquitinated protein-induced apoptosis by interacting with ubiquitin receptor p62 and promoting aggresome formation thereby cooperatively inhibiting apoptosis. (1)
Product Categories/Family for USP10 recombinant protein	DUBs; Cancer; Cardiovascular Disease; Cell Cycle; Cellular Stress; Invasion/Metastasis; Metabolic Disorder

References

1. Higuchi M, et al. USP10 is an essential deubiquitinase for hematopoiesis and inhibits apoptosis of long-term hematopoietic stem cell. Stem Cell Reports. 7:1116-1129, 2016.
2. Lin Z. et al. USP10 antagonizes c-Myc transcriptional activation through SIRT6 stabilization to suppress tumor formation. 5: 1639-1649, 2013.
3. Higuchi M. et al. HTLV-1 Tax oncoprotein stimulates ROS production and apoptosis in T cells by interacting with USP10. Blood.122 (5): 715-725, 2013.

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide #

[NM_005153](#)

Molecular Weight

125kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/usp10-recombinant-protein-sf9-insect-cells-wb-western-blot-activity-assay/74099>